

ABSTRACT OF THE DISCLOSURE

A cooling system for an imaging device having a light source for exposing a media in which the cooling system comprises a filter for purifying coolant flowing through the cooling system and a filter bypass for limiting the purity of the coolant. In this way, the coolant, such as water, is prevented from becoming too pure, such that it begins to attack or etch the metal components in the coolant loop in the cooling system. This problem typically arises in the closed loop DI-filtered systems is that the water coolant becomes too pure. It is known that if water becomes more pure than approximately 10 MegaOhms ($M\Omega$), referring to the water's resistance to electrical current which increases with increasing purity, the water can actually begin to etch metal such as copper in copper pipes of the loop.